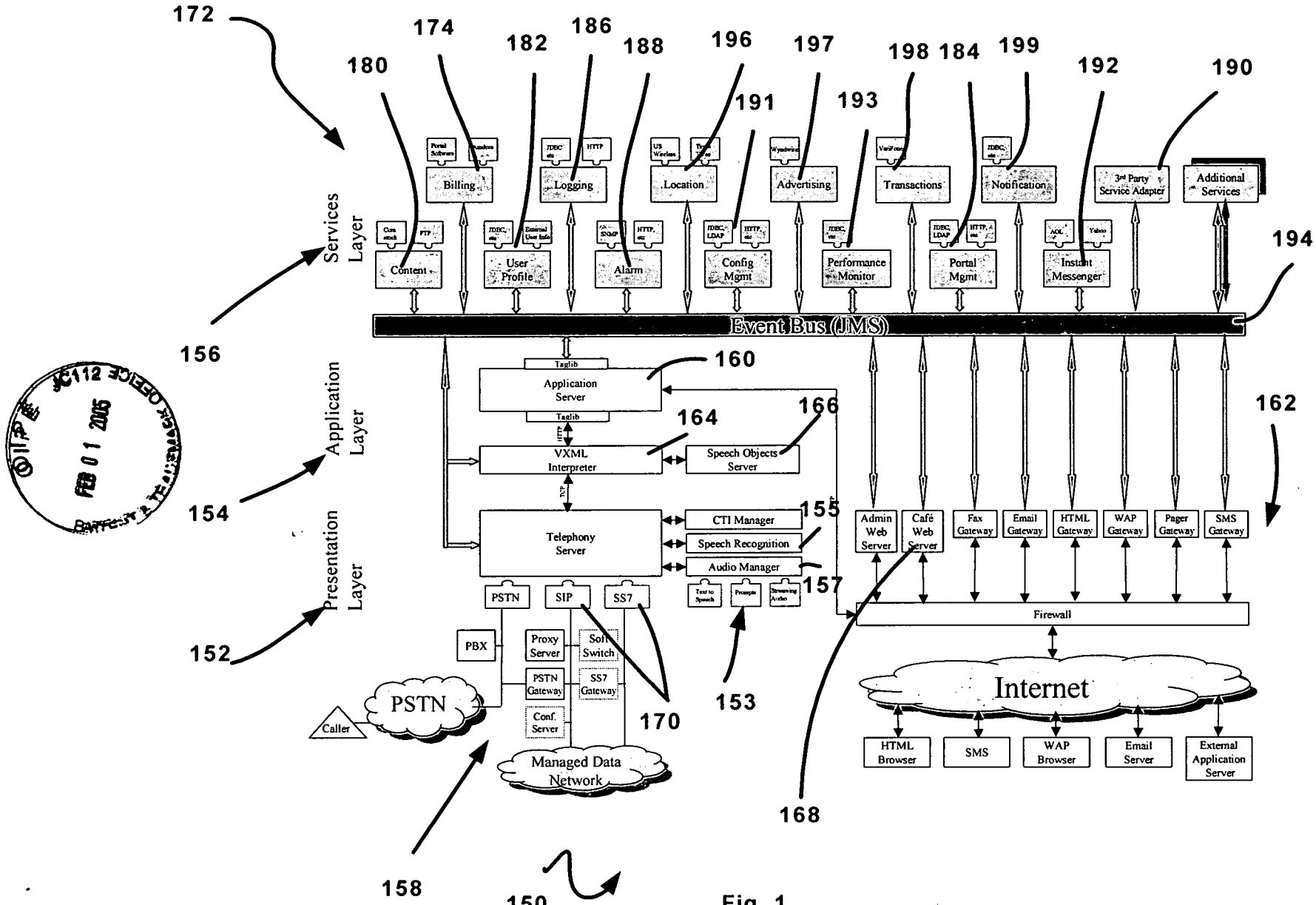
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Services Layer
Application Layer
Presentation Layer
Billing
Logging
Location
Advertising
Transactions
Notification
3rd Party Service Adapter
Additional Services
Content
User Profile
Alarm
Config Mgmt
Performance Monitor
Portal Mgmt
Instant Messenger
Event Bus (JMS)
Taglib
Application Server
VXML Interpreter
Speech Objects Server
Telephony Server
CTI Manager
Speech Recognition
Audio Manager
PSTN
SIP
SS7
PBX
Proxy Server
Soft Switch
PSTN Gateway
SS7 Gateway
Conf. Server
Caller
PSTN
Managed Data Network
Admin Web Server
Café Web Server
Fax Gateway
Email Gateway
HTML Gateway
WAP Gateway
Pager Gateway
SMS Gateway
Firewall
Internet
HTML Browser
SMS
WAP Browser
Email Server
External Application Server

Fig. 1